

A comprehensive tissue test for analysis of 510 genes, tumor mutational burden, and microsatellite instability.

Gene Targets for Single Nucleotide Variants (SNVs) and Insertions/ Deletions (Indels)

ABL1	CALR	DIS3	FBXW7	H3F3C	KDM5C	MYC	PIK3C3	REL	STAT4
ABL2	CARD11	DNAJB1	FGF1	HGF	KDM6A	MYCL1	PIK3CA	RET	STAT5A
ACVR1	CASP8	DNMT1	FGF10	HIST1H1C	KDR	MYCN	PIK3CB	RFWD2	STAT5B
ACVR1B	CBFB	DNMT3A	FGF14	HIST1H2BD	KEAP1	MYD88	PIK3CD	RHEB	STK11
AKT1	CBL	DNMT3B	FGF19	HIST1H3A	KEL	MYOD1	PIK3CG	RHOA	STK40
AKT2	CCND1	DOT1L	FGF2	HIST1H3B	KIF5B	NAB2	PIK3R1	RICTOR	SUFU
AKT3	CCND2	E2F3	FGF23	HIST1H3C	KIT	NBN	PIK3R2	RIT1	SUZ12
ALK	CCND3	EED	FGF3	HIST1H3D	KLF4	NCOA3	PIK3R3	RNF43	SYK
ALOX12B	CCNE1	EGFL7	FGF4	HIST1H3E	KLHL6	NCOR1	PIM1	ROS1	TAF1
ANKRD11	CD274	EGFR	FGF5	HIST1H3F	KMT2B	NEGR1	PLCG2	RPS6KA4	TBX3
APC	CD276	EIF1AX	FGF6	HIST1H3G	KMT2C	NF1	PLK2	RPS6KB1	TCEB1
AR	CD74	EIF4A2	FGF7	HIST1H3H	KMT2D	NF2	PMAIP1	RPS6KB2	TCF3
ARAF	CD79A	EIF4E	FGF8	HIST1H3I	KRAS	NFE2L2	PMS1	RPTOR	TCF7L2
ARFRP1	CD79B	EML4	FGF9	HIST1H3J	LATS1	NFKBIA	PMS2	RUNX1	TERC
ARID1A	CDC73	EP300	FGFR1	HIST2H3A	LATS2	NKX2-1	POLD1	RUNX1T1	TERT
ARID1B	CDH1	EPCAM	FGFR2	HIST2H3C	LMO1	NKX3-1	POLE	SDHA	TET1
ARID2	CDK12	EPHA3	FGFR3	HIST2H3D	LRP1B	NOTCH1	PPARG	SDHAF2	TET2
ARID5B	CDK4	EPHA5	FGFR4	HIST3H3	LYN	NOTCH2	PPM1D	SDHB	TFE3
ASXL1	CDK6	EPHA7	FH	HLA-A	LZTR1	NOTCH3	PPP2R1A	SDHC	TFRC
ASXL2	CDK8	EPHB1	FLCN	HLA-B	MAGI2	NOTCH4	PPP2R2A	SDHD	TGFBF1
ATM	CDKN1A	ERBB2	FLI1	HLA-C	MALT1	NPM1	PPP6C	SETBP1	TGFBF2
ATR	CDKN1B	ERBB3	FLT1	HNF1A	MAP2K1	NRAS	PRDM1	SETD2	TMEM127
ATRX	CDKN2A	ERBB4	FLT3	HOXB13	MAP2K2	NRG1	PREX2	SF3B1	TMPRSS2
AURKA	CDKN2B	ERCC1	FLT4	HRAS	MAP2K4	NSD1	PRKAR1A	SH2B3	TNFAIP3
AURKB	CDKN2C	ERCC2	FOXA1	HSD3B1	MAP3K1	NTRK1	PRKCI	SH2D1A	TNFRSF14
AXIN1	CEBPA	ERCC3	FOXL2	HSP90AA1	MAP3K13	NTRK2	PRKDC	SHQ1	TOP1
AXIN2	CHD2	ERCC4	FOXO1	ICOSLG	MAP3K4	NTRK3	PRSS8	SLIT2	TOP2A
AXL	CHD4	ERCC5	FOXP1	ID3	MAPK1	NUP93	PTCH1	SLX4	TP53
B2M	CHEK1	ERG	FRS2	IDH1	MAPK3	NUTM1	PTEN	SMAD2	TP63
BAP1	CHEK2	ERRF1	FUBP1	IDH2	MAX	PAK1	PTPN11	SMAD3	TRAF2
BARD1	CIC	ESR1	FYN	IFNGR1	MCL1	PAK3	PTPRD	SMAD4	TRAF7
BCL10	CREBBP	ETS1	GABRA6	IGF1	MDM2	PAK7	PTPRS	SMARCA4	TSC1
BCL2	CRKL	ETV1	GATA1	IGF1R	MDM4	PALB2	PTPRT	SMARCB1	TSC2
BCL2L1	CRLF2	ETV4	GATA2	IGF2	MED12	PARK2	QKI	SMARCD1	TSHR
BCL2L11	CSF1R	ETV5	GATA3	IKBKE	MEF2B	PARP1	RAB35	SMC1A	U2AF1
BCL2L2	CSF3R	ETV6	GATA4	IKZF1	MEN1	PAX3	RAC1	SMC3	VEGFA
BCL6	CSNK1A1	EWSR1	GATA6	IL7R	MET	PAX5	RAD21	SMO	VHL
BCOR	CTCF	EZH2	GEN1	INHA	MGA	PAX7	RAD50	SNCAIP	VTCN1
BCORL1	CTLA4	FAM123B	GID4	INHBA	MITF	PAX8	RAD51	SOCS1	WISP3
BCR	CTNNA1	FAM175A	GLI1	INPP4A	MLH1	PBRM1	RAD51B	SOX10	WT1
BIRC3	CTNNA1	FAM46C	GNA11	INPP4B	MLL	PDCD1	RAD51C	SOX17	XIAP
BLM	CUL3	FANCA	GNA13	IRF2	MLL2	PDCD1LG2	RAD51D	SOX2	XPO1
BMPR1A	CUX1	FANCC	GNAQ	IRF4	MPL	PDGFRA	RAD52	SOX9	XRCC2
BRAF	CXCR4	FANCD2	GNAS	IRS1	MRE11A	PDGFRB	RAD54L	SPEN	YAP1
BRCA1	CYLD	FANCE	GPS2	IRS2	MSH2	PDK1	RAF1	SPOP	YES1
BRCA2	DAXX	FANCF	GREM1	JAK1	MSH3	PDPK1	RANBP2	SPTA1	ZBTB2
BRD4	DCUN1D1	FANCG	GRIN2A	JAK2	MSH6	PGR	RARA	SRC	ZBTB7A
BRIP1	DDR2	FANCI	GRM3	JAK3	MST1R	PHF6	RASA1	SRSF2	ZFHX3
BTG1	DDX41	FANCL	GSK3B	JUN	MTOR	PHOX2B	RB1	STAG1	ZNF217
BTK	DHX15	FAS	H3F3A	KAT6A	MUTYH	PIK3C2B	RBM10	STAG2	ZNF703
C11orf30	DICER1	FAT1	H3F3B	KDM5A	MYB	PIK3C2G	RECQL4	STAT3	ZRSR2

Gene Targets for Fusions and Splice Variants

ABL1	BRAF	EML4	ETV4	FGFR4	KIF5B	MYC	NTRK2	PIK3CA	TMPRSS2
AKT3	BRCA1	ERBB2	ETV5	FLI1	KIT	NOTCH1	NTRK3	PPARG	
ALK	BRCA2	ERG	EWSR1	FLT1	MET	NOTCH2	PAX3	RAF1	
AR	CDK4	ESR1	FGFR1	FLT3	MLL	NOTCH3	PAX7	RET	
AXL	CSF1R	ETS1	FGFR2	JAK2	MLL2	NRG1	PDGFRA	ROS1	
BCL2	EGFR	ETV1	FGFR3	KDR	MSH2	NTRK1	PDGFRB	RPS6KB1	

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